

Applicant : Willner et al.  
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REMARKS

Applicants hereby submit that the enclosures fulfill the requirements under 37 C.F.R. §1.821-1.825. The amendments in the specification merely insert sequence identifiers in the specification and replace the paper copy of the Sequence Listing with a substitute Sequence Listing. No new matter has been added.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 11/13/01

MM-121  
Michael Reed, Ph.D.  
Reg. No. 45,647

Fish & Richardson P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

**“Version With Markings to Show Changes Made”**

In the specification:

Paragraph beginning at page 8, line 13, has been amended as follows:

**Figs. 2A-2D** illustrate in somewhat more details some of the components of the system of Fig. 1 as used in the exemplary experiments: Fig. 2A shows a DNA strand covalently bound to biotin; Fig. 2B illustrates the chemical reaction, catalyzed by horseradish peroxidase (HRP), in which 4-chloro- naphthol is reacted to form an insoluble product; Fig. 2C shows the structure of the thiophosphate thymine; and Fig. 2D shows the sequence of some oligonucleotides used in the exemplary experiments (SEQ ID NOs:1-4).

Paragraph beginning at page 9, line 1, has been amended as follows:

**Fig. 4B** shows the sequence of the different oligonucleotides used in a system of the kind illustrated in Fig. 4B (SEQ ID NOs:5-9), in the accompanying experiments.